		e comme chammer M.A. h.	
COUNTRY USSR		DATE DISTR. 29 Aug	STAT
SUBJECT Metal Substitute-	-"Lignophole"	NO. OF PAGES 2	
PLA(%)		NO. OF ENCLS.	
ACQ:::PR			STAT
DATE ACCORED		Supplement T Report No.	*
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Autoclave Treatment of "Lignophole"

- 6. The Institute reportedly has developed also a method of pressing "lignophole" in autoclaves, by means of which articles of the most intricate shapes can be produced quickly and cheaply:
 - (a) The sheets are placed on a mold and put into a hermetically sealed rubber bag. The rubber, by suction, presses the sheets tightly against the mold.
 - (b) The rubber bag and its contents are placed in an autoclave and pressed.
- 7. Skis, parts of furniture, radio cases and other containers are made by the autoclave process. Soviet experts have approved even vital parts of a coraft such as propellers, longerons and other fuselage parts.

Other Materials Combined with "Lignophole"

- 8. When other materials are combined with "lignophole" their properties are improved. Wire nets, metal sheets, textiles and rubber become more durable when rendwiched between sheets of "lignophole." "Lignophole" with pressed-in steel net can be used for automobile bedies and the sheathing for outters.
- 9. "Lignophole" combined with metal sheets can be used for pipes that carry water, gas and oil. This combination also can be employed in bridge construction and in radio masts.

"Lignophole" Treated with Phenol Resin

10. When "lignophole" is impregnated with phonol resin it acquires resistance to chemicals and becomes a non-conductor of electricity. These properties make it suitable for chemical and electrical equipment.

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